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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:

Lewis GRUBER, et al.

Group Art Unit: 1637

Application No.: 09/886,802

Examiner: Jeffrey Siew

Confirmation No.: 6168

Filed: June 20, 2001

For: CONFIGURABLE DYNAMIC THREE DIMENSIONAL ARRAY

AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner Of Patents and Trademarks
Washington, D.C. 20231

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TECH CENTER 1600/2900

Sir:

In response to the Non-Final Office Action dated August 27, 2002, Paper No. 8, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 6, please replace the third paragraph after the heading "DESCRIPTION OF THE DRAWINGS" with the following new paragraph:

FIG. 3A illustrates an overview of a system for forming an array of probes, and FIG. 3B illustrates a variation of FIG. 3A.

Page 9, please replace the second full paragraph, with the following new paragraph:

Illustrated in FIG. 3A is an overview of a system to generate and control a configurable array, generally designated as 20. Optical traps 1000-1004 (FIG. 1) are formed by passing a collimated light, preferably a laser beam 100, produced by a laser 102 to a beam splitter 30. The beam splitter 30 is constructed of a dichroic mirror, photonic band gap mirror, omnidirectional mirror, or other similar device. The beam splitter 30 selectively reflects the wavelength of light used to form the optical traps and transmits other wavelengths. A portion of the reflected light is then passed through a beam altering